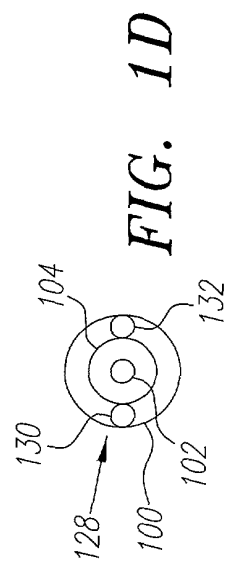
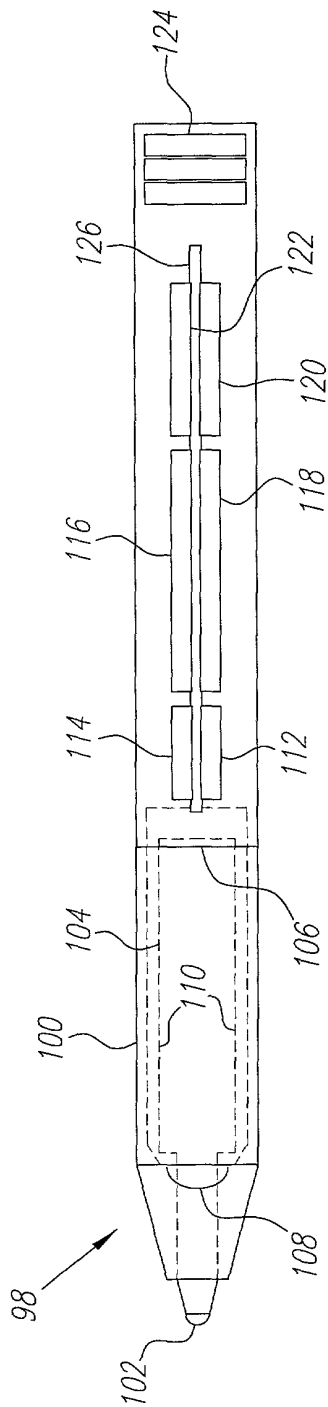
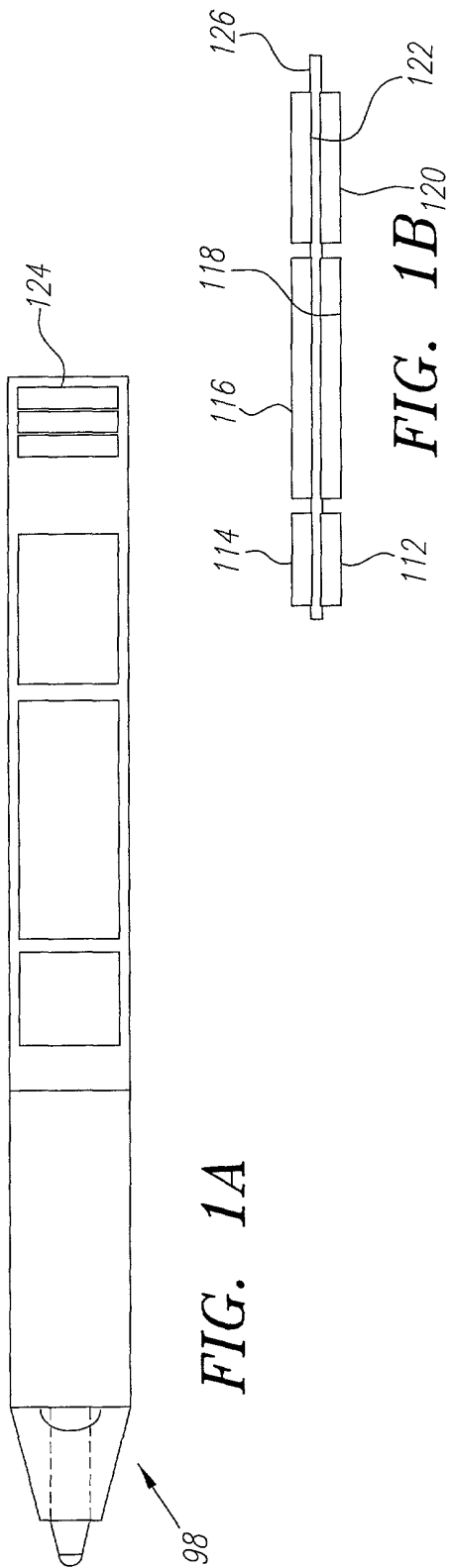
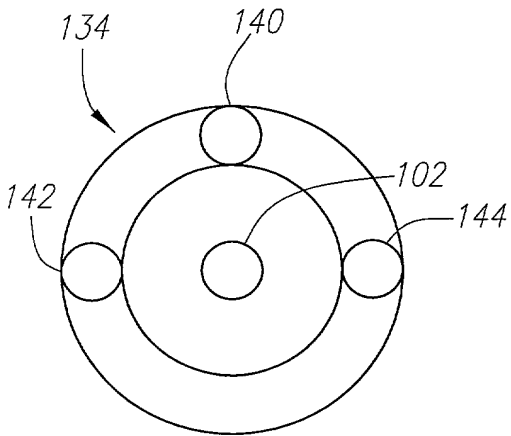


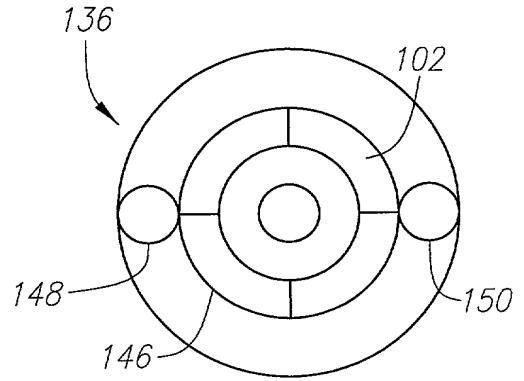
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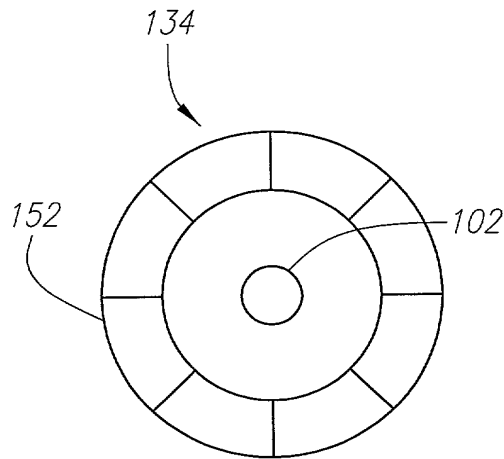
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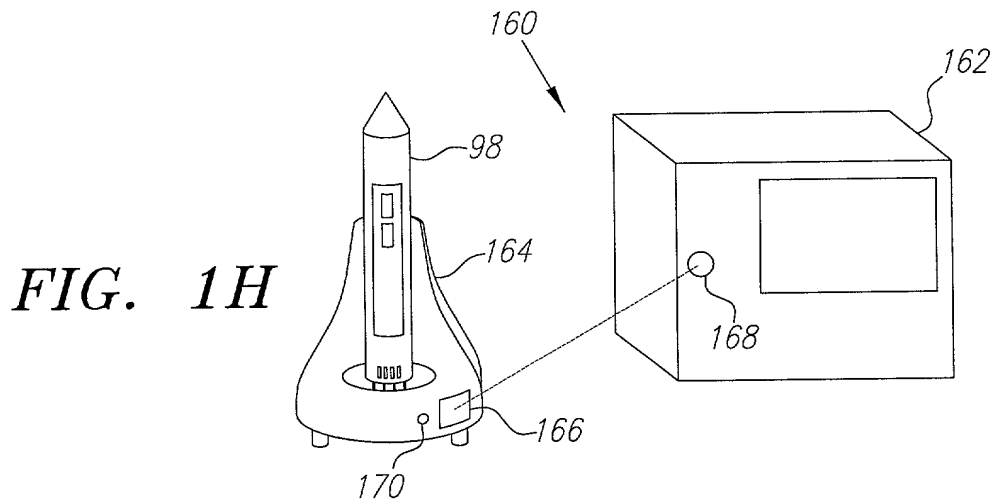
**FIG. 1E**



**FIG. 1F**



**FIG. 1G**



**FIG. 1H**

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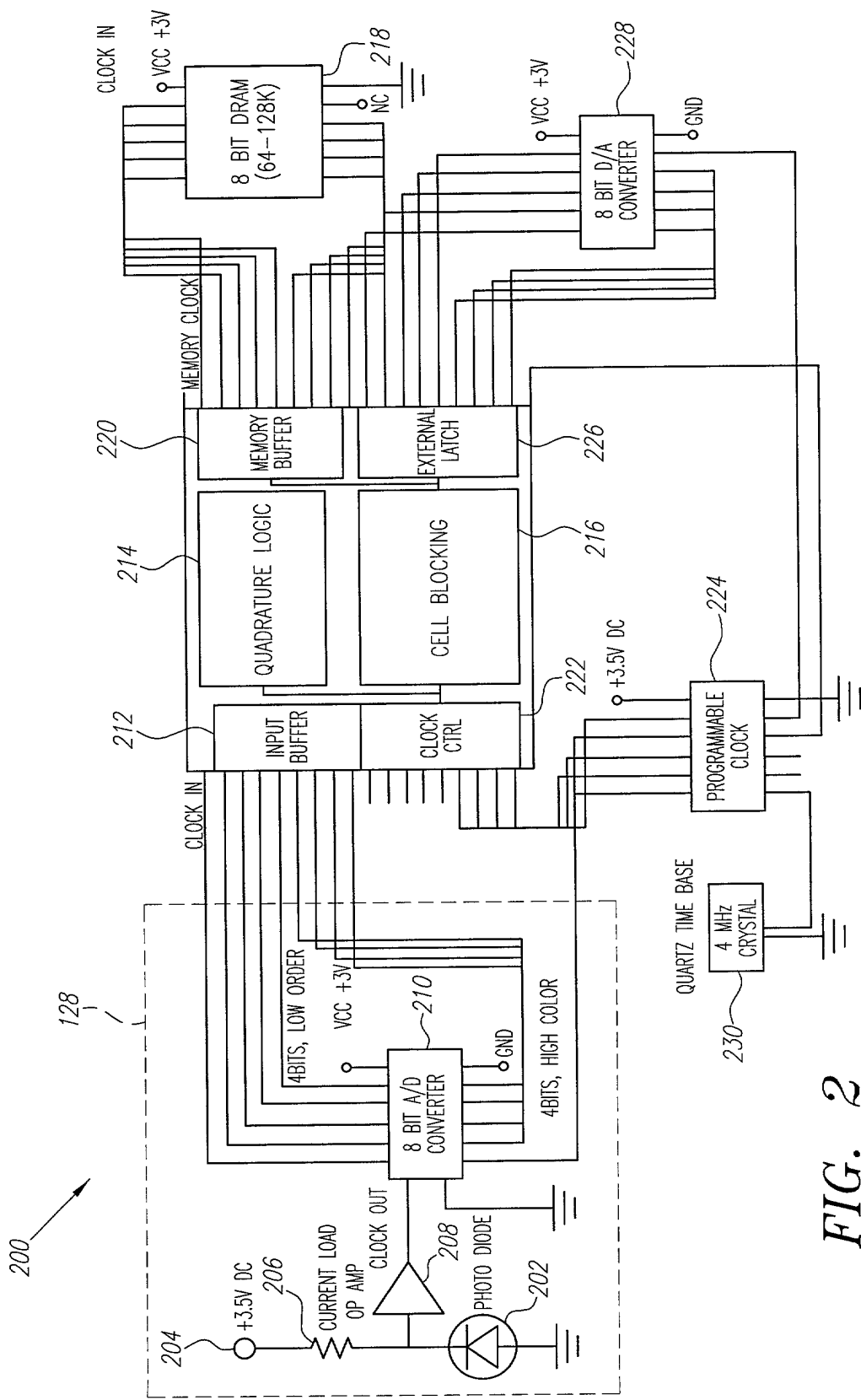
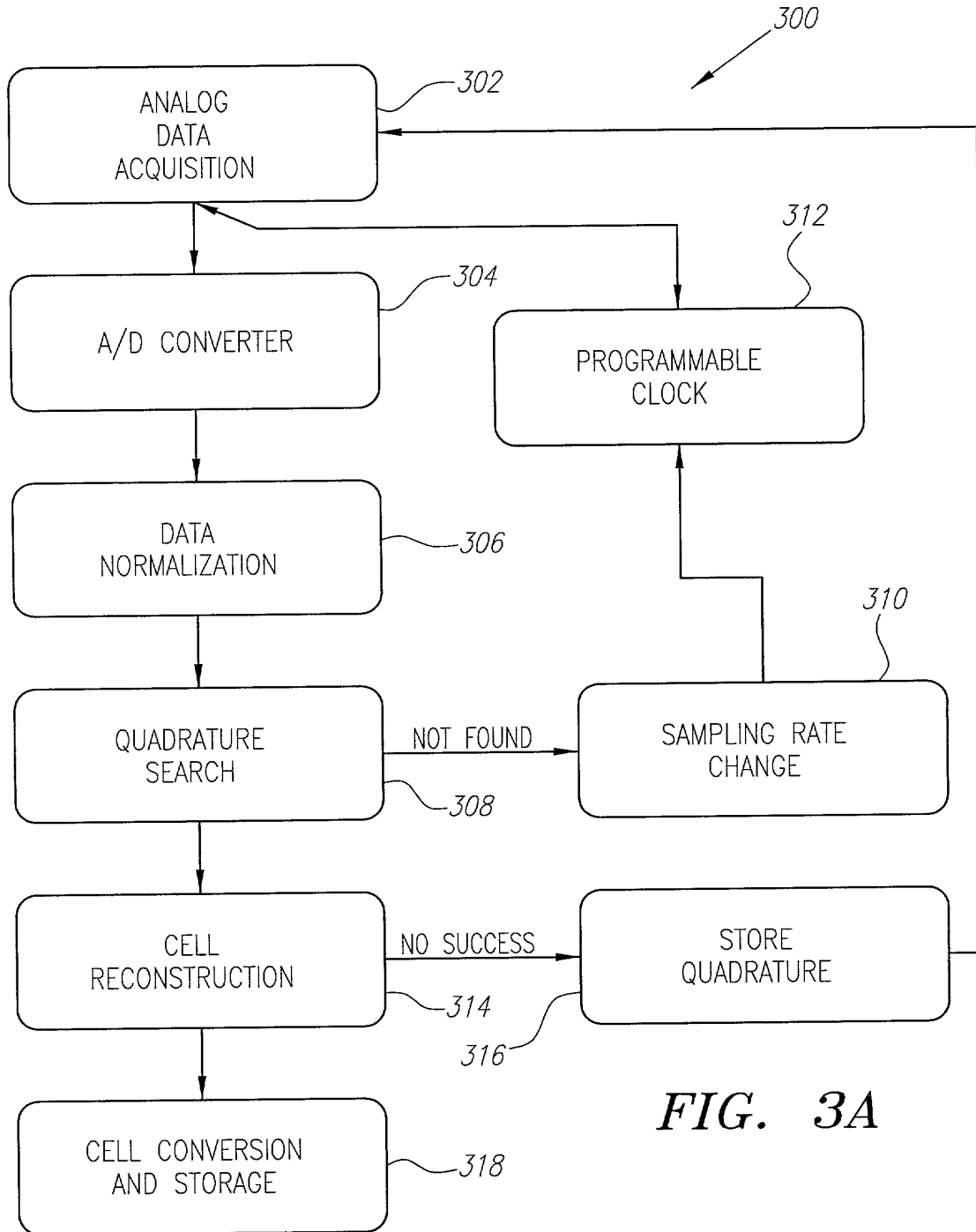


FIG. 2

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**FIG. 3A**

FIG. 3B

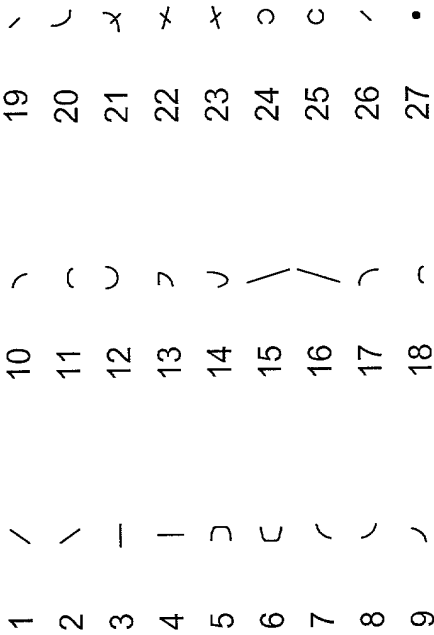


FIG. 3B

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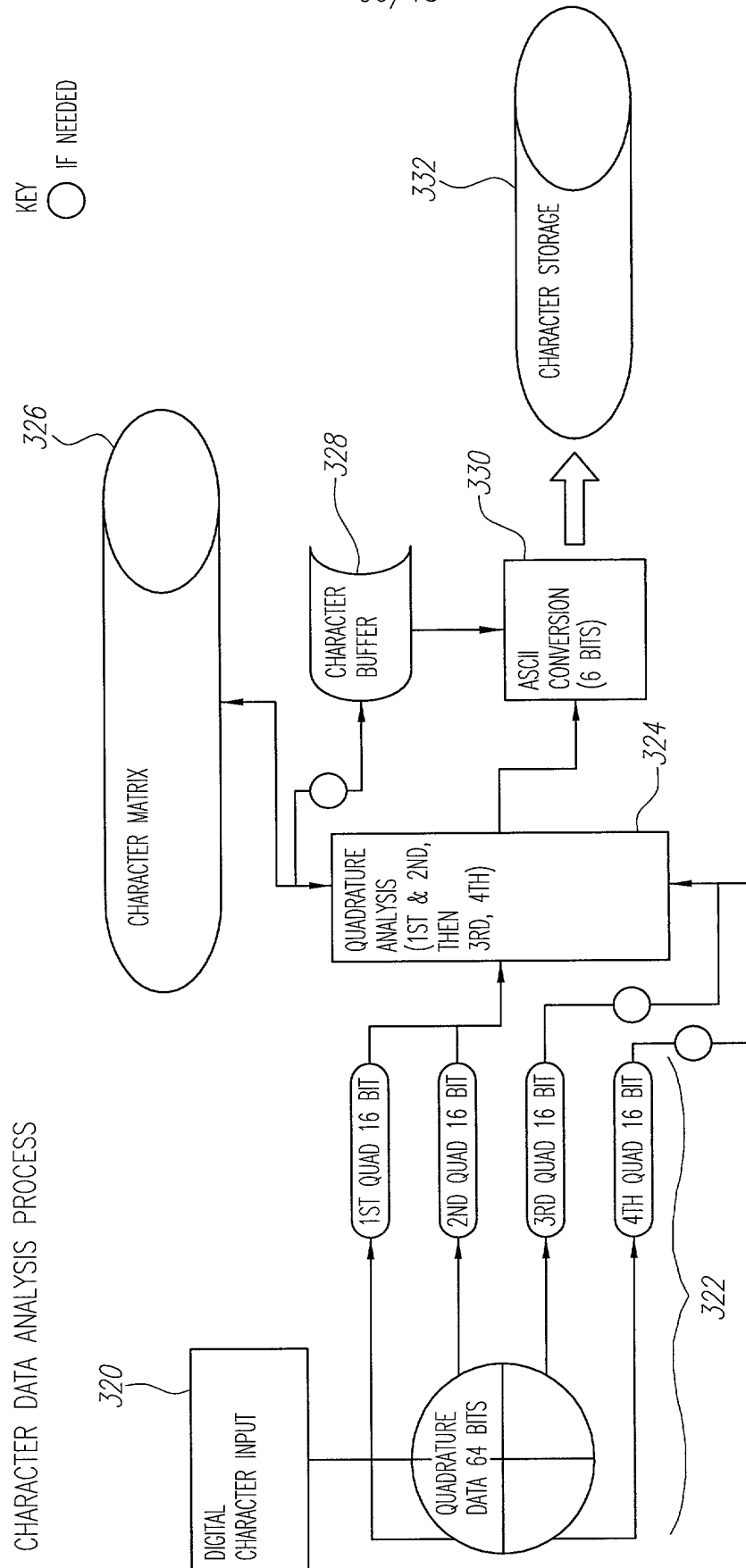


FIG. 3C

FIG. 3D 09/02/00

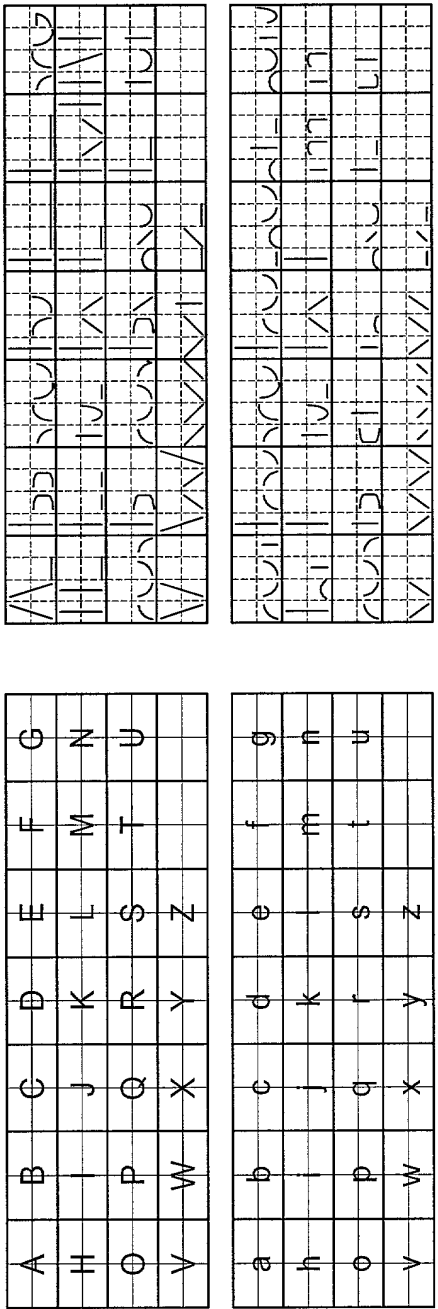
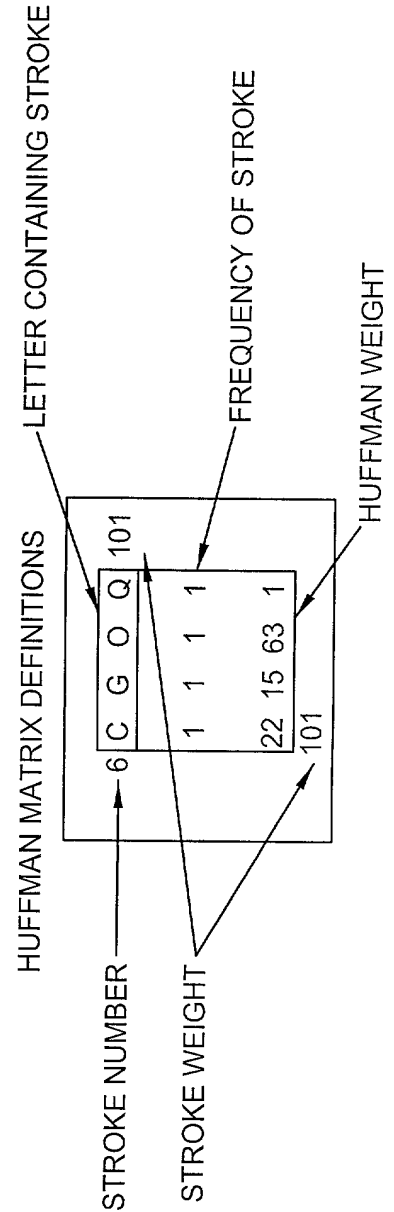


FIG. 3E

FIG. 3D

1	A	K	V	W	X	Y	Z	M	258								
A	1	1	1	2	1	1	1	1									
B	64	5	8	18	1	16	1	20									
2	A	K	M	N	V	W	X	Y	207								
A	1	1	1	1	1	2	1	1									
B	64	5	20	57	8	18	1	16									
3	A	E	F	G	H	I	J	L	T	Z	649						
A	1	3	2	1	1	2	1	1	1	2							
B	64	103	21	15	47	57	1	32	80	1							
4	B	D	E	F	H	I	J	K	L	M	N	P	R	T	U	Y	694
A	1	1	1	1	2	1	1	1	1	2	2	1	1	1	2	1	
B	13	32	103	21	47	57	1	5	32	20	57	15	48	80	23	16	
5	B	P	R	S	140	6	C	G	O	Q	101						
A	2	1	1	1			A	1	1	1	1						
B	13	15	48	51			B	22	18	63	1						
7	C	G	O	Q	S	152	8	C	D	G	J	O	U	156			
A	1	1	1	1	1			1	1	1	1	1	1				
B	22	15	63	1	51			22	32	15	1	63	23				
9	D	O	Q	96	10	Q		11	S	51	12	X	1				
A	1	1	1					1		1							
B	32	63	1							51							

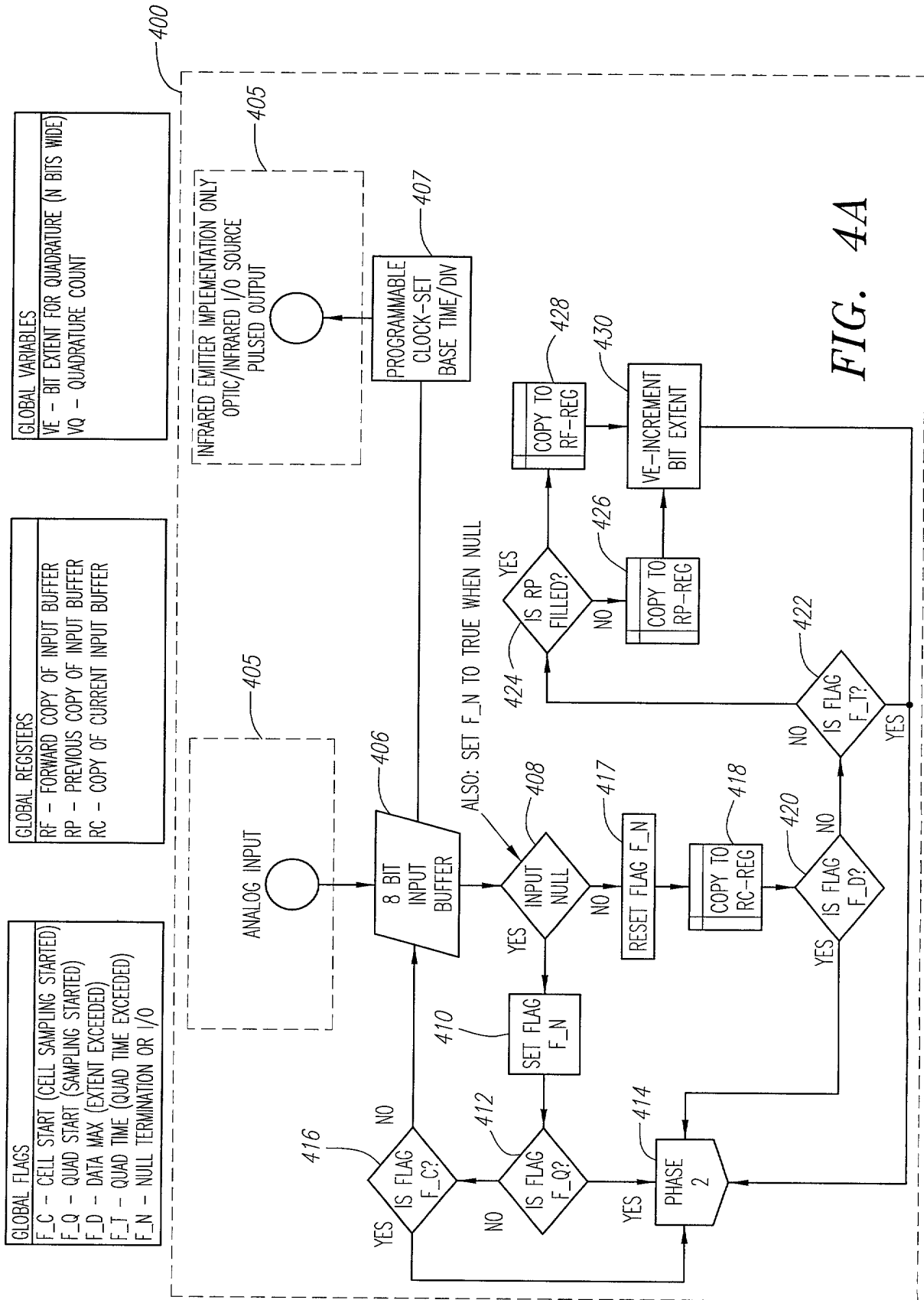
FIG. 3F

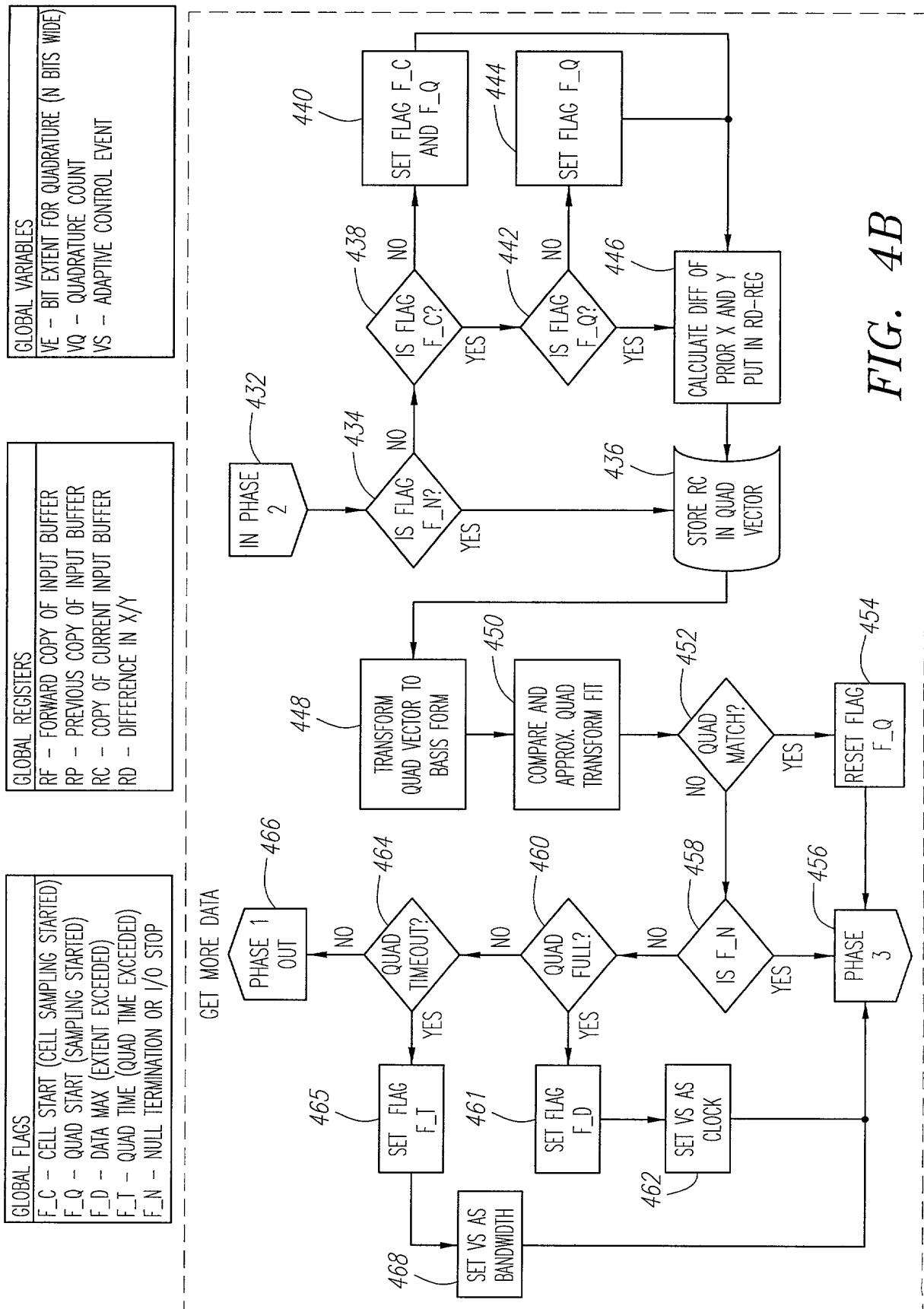




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FUNCTIONAL DEFINITION OF DETECTION PROCESS - PHASE 1





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### FUNCTIONAL DEFINITION OF CELL BLOCKING - PHASE 3

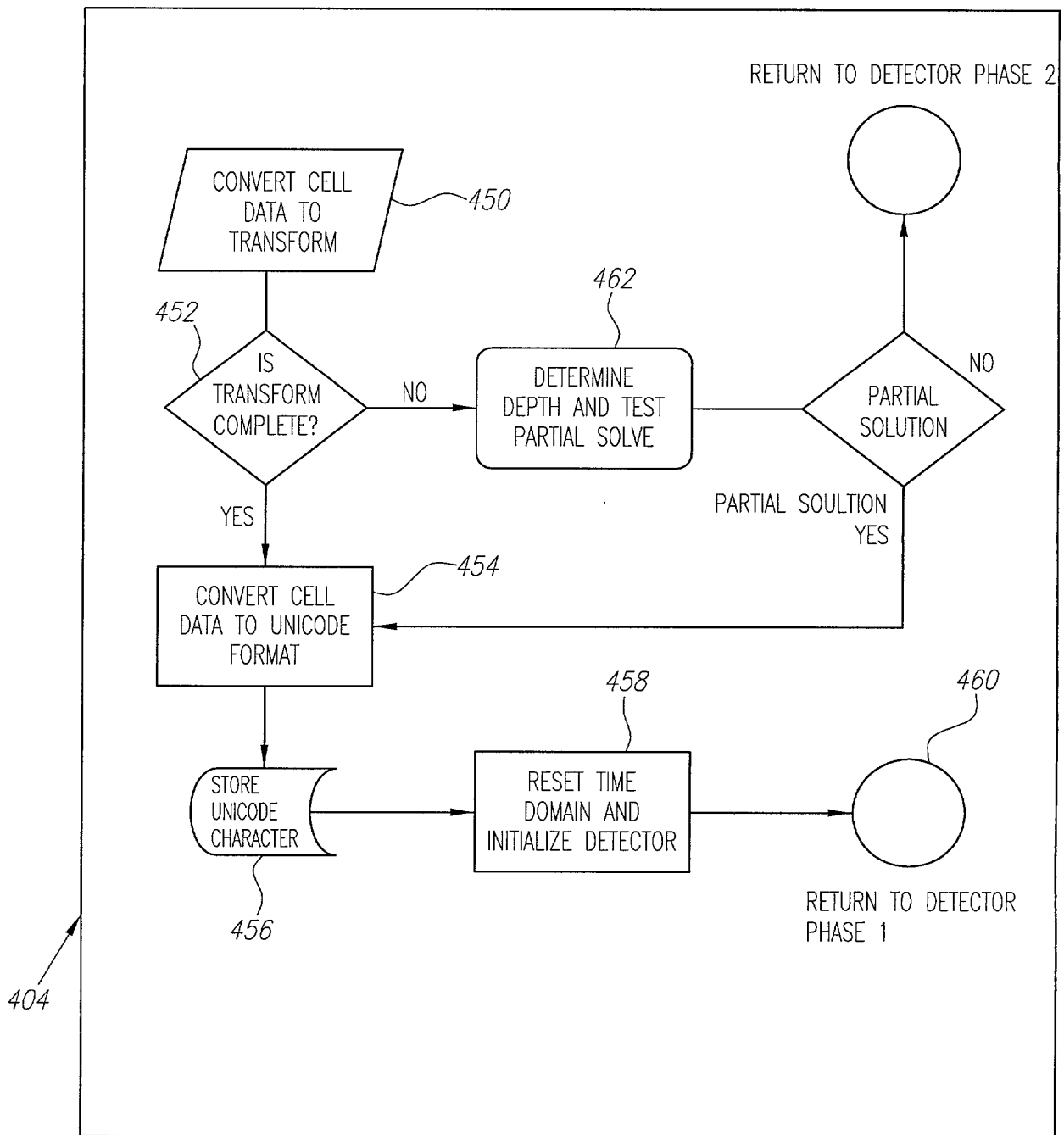
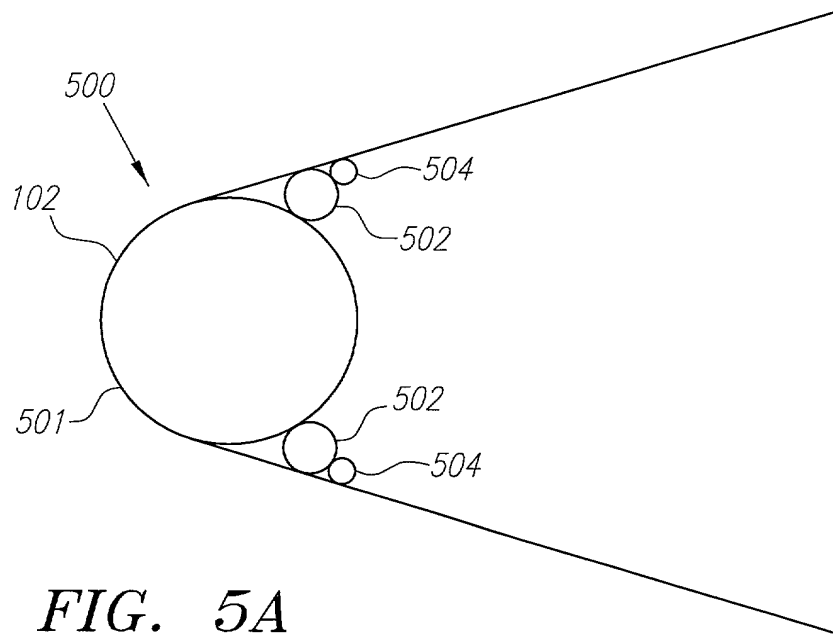
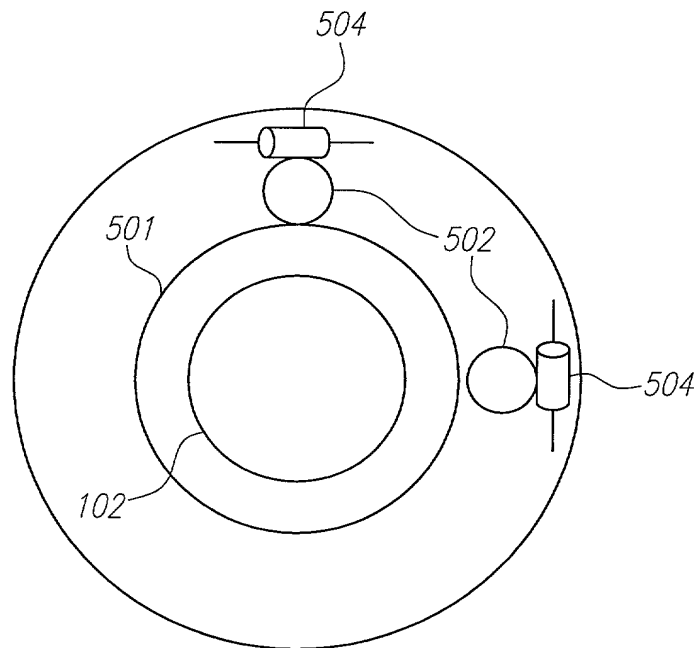


FIG. 4C



*FIG. 5A*



*FIG. 5B*

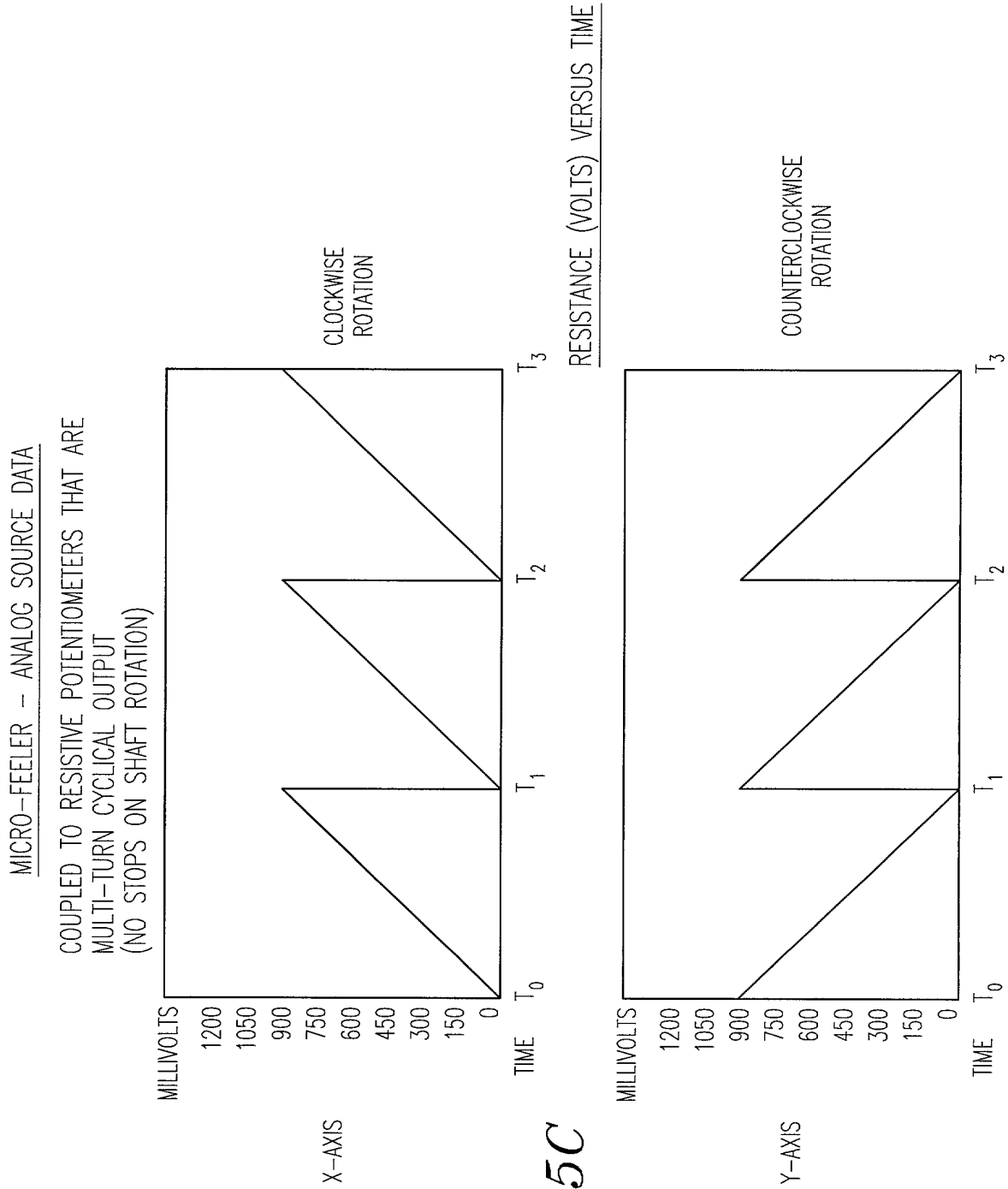
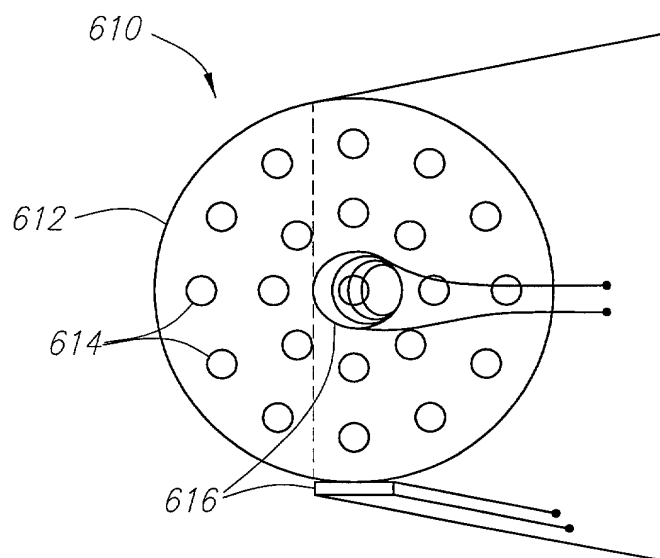
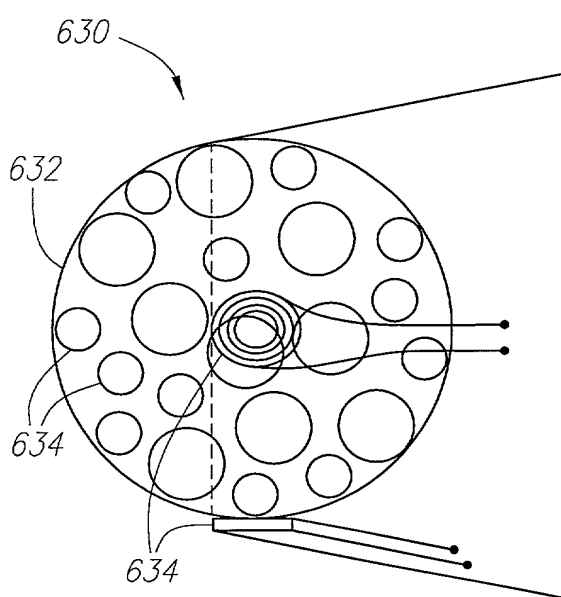


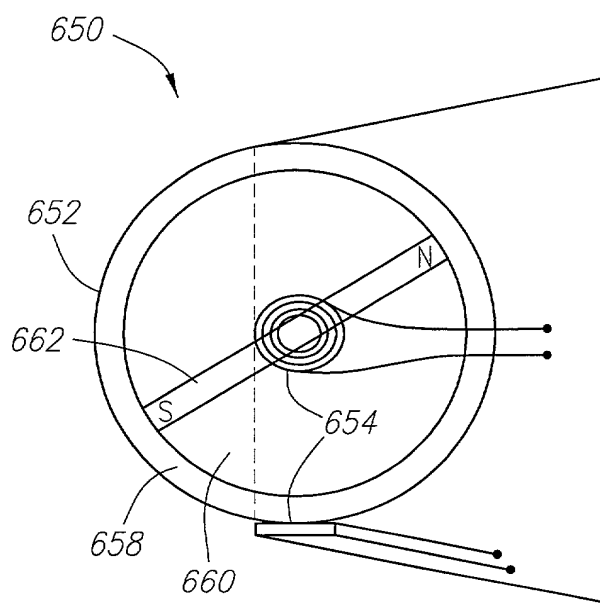
FIG. 5C



*FIG. 6A*



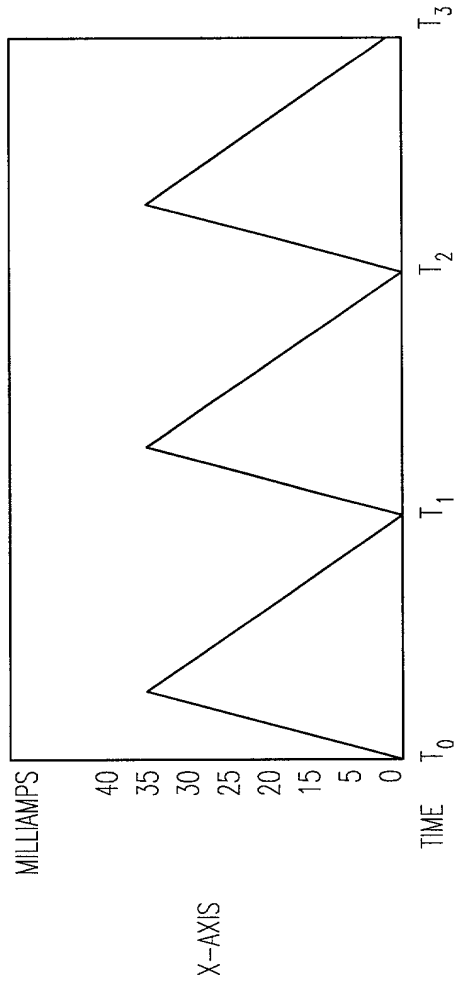
*FIG. 6B*



*FIG. 6C*

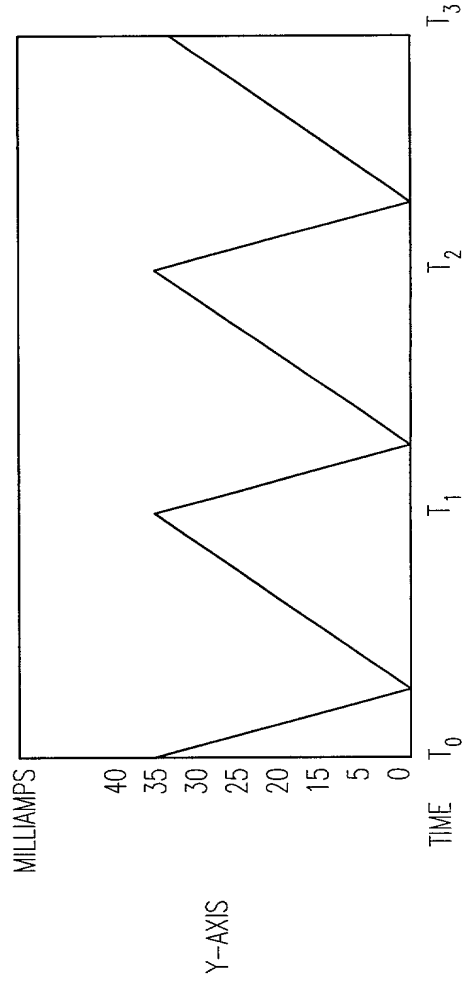
SYMMETRIC MULTI-DOMAIN -- ANALOG SOURCE DATA

ROTATION OF DOMAINS ON AN AXIS PRODUCE EITHER  
INCREASING OR DECREASING CURRENTS FROM  
TIGHT TO LOOSE COIL BINDINGS.



CURRENT VERSUS TIME  
OUTPUT FROM COIL  
FOR DIFFERENT MAGNET  
SWEEPS ACROSS THE COIL,

FIG. 6D



ASYMMETRIC MULTI-DOMAIN - ANALOG SOURCE DATA

MAGNETIC POLES ARE DISTRIBUTED IN A CHARACTERIZED, NON-UNIFORM PATTERN THAT MAPS VARIATIONS OF CURRENT, SLOPE/RISE, AND TIME TO A UNIQUE VALUE.

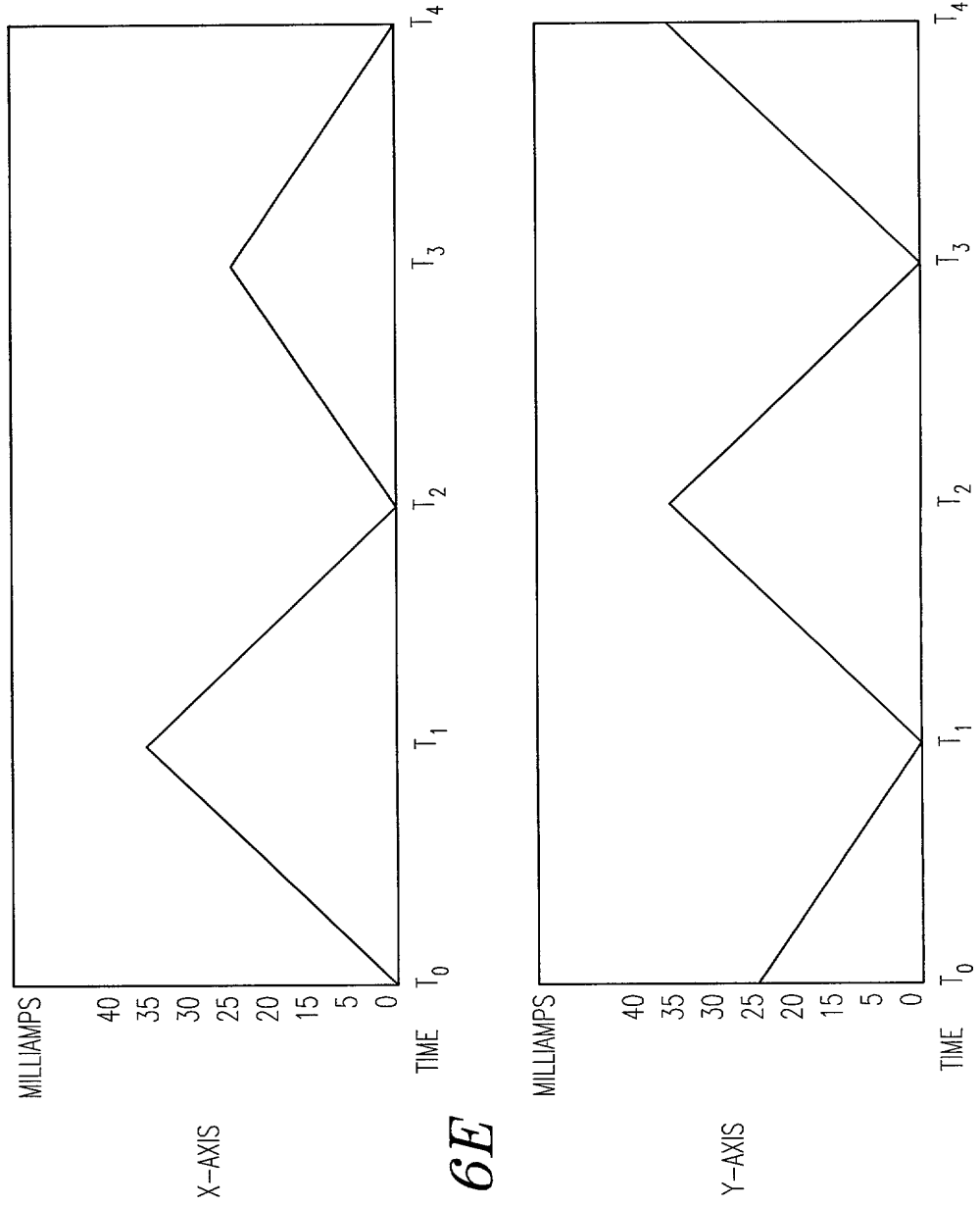


FIG. 6E

CURRENT VERSUS TIME  
OUTPUT FROM COIL  
FOR DIFFERENT MAGNET  
SWEEPS ACROSS THE COIL,  
AND AS DOMAIN SIZES AND  
MAGNETIC FIELD STRENGTH  
VARY SO DOES THE PERIOD



SYMMETRIC UNI-DOMAIN - ANALOG SOURCE DATA

ROTATION OF DOMAINS ON AN AXIS PRODUCE EITHER  
INCREASING OR DECREASING CURRENTS FROM  
TIGHT TO LOOSE COIL BINDINGS.

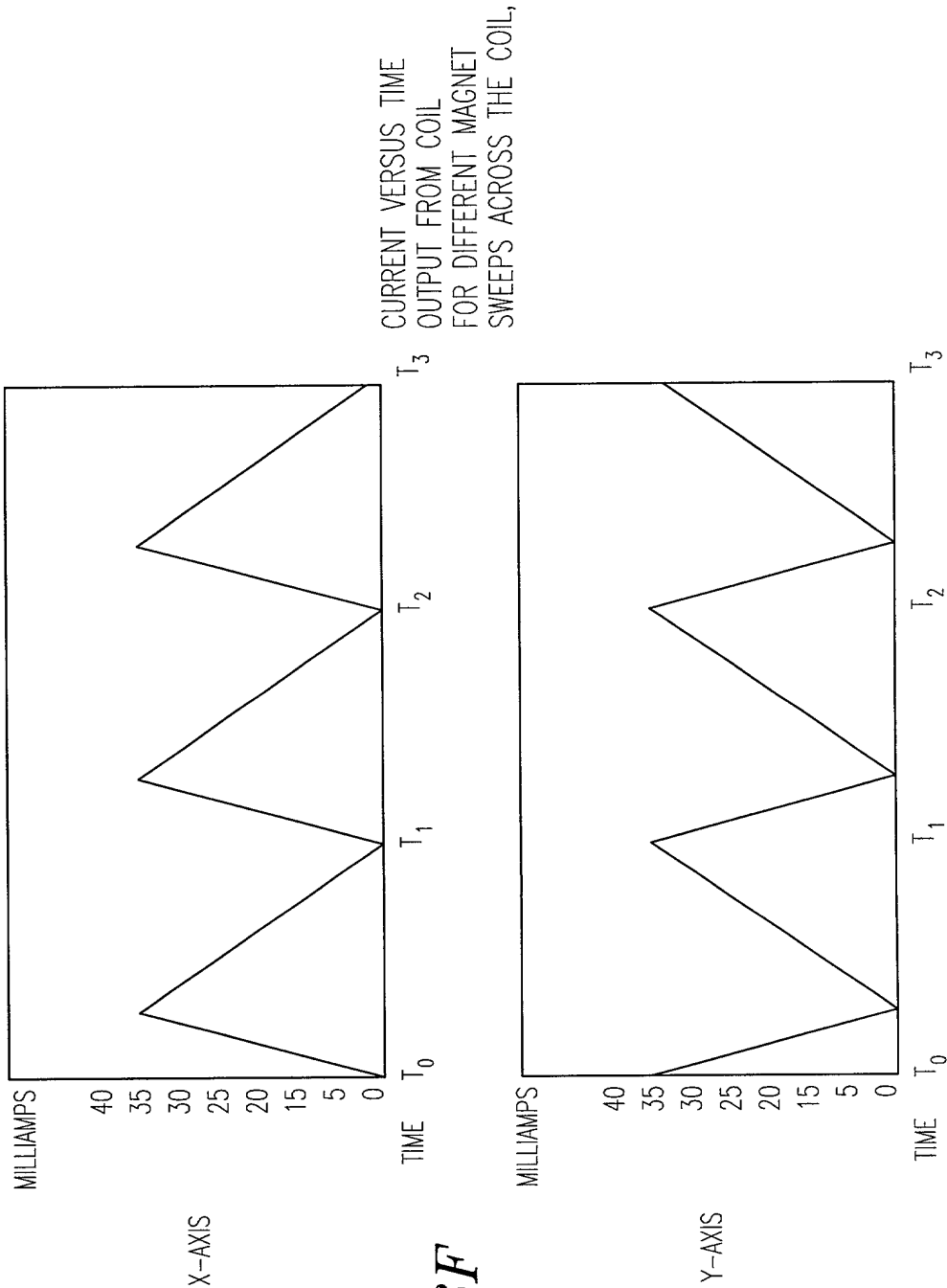


FIG. 6F

MICRO FEELER OR INDUCTION COIL INPUT DEVICE

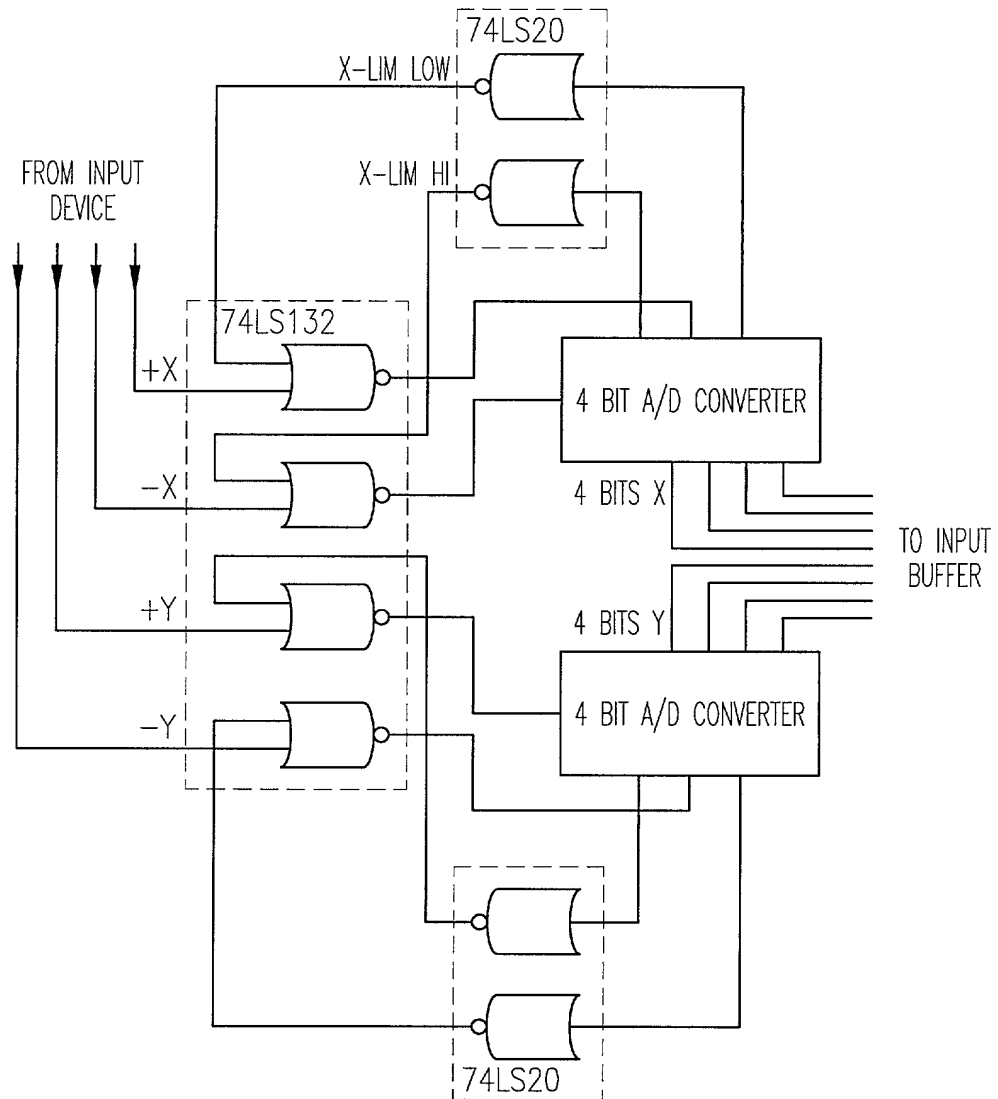


FIG. 7